

## Beechcraft votes Goodyear all the way

For tires, tubes, wheels and brakes-BEECHCRAFT depends on GOODYEAR. This is another testimonial to Goodyear's 40 years of leadership in developing and producing aviation equipment to meet the changing needs of aircraft design.

> Goodyear, Aviation Products Division Akron 16, Ohio or Los Angeles 54, Calif.



MORE AIRCRAFT LAND ON GOODYEAR TIRES. TUBES. WHEELS AND BRAKES THAN ON ANY OTHER KIND





Honeywell

Other Honorymal stee Hone contributed colspripment includes to forece duringlish You can't see relicibility. You can't see accuracy. Yet every diret the pides looks at hat field guige. The assaurces the editions of these two qualifies. And with Hosepwell's Idectronic Field Cagos, has assuragous at particle Preformance has proved at—preformance on 33 different models of 13 mater according an excellent according to the material association of 13 material associations.

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Fee fav pears Honeywell Feel Cage munifications have proved the rightnesse of the Honeywell pages. Now new coresponds in deages successes an adaptability , make it right for your surplane because it is confessed with the province of the pears of the pe

## Best Things in Life are Fill-running

Friction has some use but mostly it is freedom from friction bits world needs. In machines, that friendom is essential to long, useful life. Ball bearings give you most, New Departure makes them best.



New DEPARTURE

BALL BEARINGS

# CAN OFFER YOU

DESIGN & EXPERIMENTAL



WELL EQUIPPED MACHINE



OUR OWN PLATING DIVISION





Here's A Typical Example



### Aviation Week

Headine News Industry Possel for Mebelysman PAR's Rody Phone Girller Globe 17

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G. Johnson, Annaesa Manaera R. W. Martin, Ja., John Manaera: Arata Acadio.



#### PLANE AIR COMES "PACKAGED," TOO!

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To smooth complete appreads air sondictionare following types of excrement: 1) Calife supercharges:

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or annapose arterior, you can entry the astery of OMNT with ARC's comwhat your direction from the station. Not take as GMNI and keep the New Zealand Government has de-Yes get dependable envigation when you need it most! In addition

> punicipies, ARC's VIII equipment communication you can't afford to



# AIRCRAFT COSSORATION

cial welding methods and edvenced tool design.

AIRCRAFT CORPORATION

actions assessed the Rolley, Tenn. For advances asset to Lt. County D T Mid.

AVIATION CALENDAR

2-4 1935-Meetas uresias associated Mer 16-Soch accoul field members Years of experience in febricating aluminum and steel rive modern rendyction techniques make Levelle truly a unique Giorgo Mer 17-15-Amusi coccustion of the sub-contractor. beer 11 15-Second rammi confessor on Savings and product improviment can often be mede with Levelle's see-

PICTURE CREDITS

Stilled craftenen correlete facilmes and background expensation at KSW permit production of arecition parts with strict adherence to the toughest of mendications.



Treng Freder -

#### Washington Roundup

Flush Deck Carrier

Mobilization Military-Weshington is thick with talk of ell-out mebilitation Official passeng under the partial mobilisation

program give the green light tentrively to this build-up in upidy is peuble." USAF: 84 groups. There are now only 58.

second of the 12 group now proposested, involving USAF alon execution at arrest pleats. It has arred Company for authority to one patenessest bands for and the 1933 CAA Act rendy shortly after the taxs of this and will exclude out it to the \$17 billion woods mental defense appropriation due toe exectment before silv rary Coursess.

the Christmas Habdays

Asse's Chief of Stoff, Gen. 1. Lawton Collins, does work) Egle such a more, which has been mercatingly on Known feeled to most expectations of some. In the led war. Colline points out, the Area had all it could do mobilising some 90 divisions-and in una fetter war. wast assessful and being postogned until a

directs CAA revised officers and aspect management week traction, call meetings of archit owners and six P.New Muldfortion Directorby A full-time director for civil air prattus may be passed at the payde-established howefrest meldkeston-the ransing element to national

Civil air problikation, along with all other civil defense programs, will be transferred to the new agency from Dries Rental, to make a survey. Rental's defler as Sea Edge Kelasyer, chappens of a Scarte Arraed Services subcommittee begos to get by the end of the year legislation authorising CDA to move formed with a \$3 billion florecore circl defense restrictionion pereven franced swith he the Folcal Concessors and the states. Most of the expendence, \$2.2 billion, would be for shelter constructions 512 pullion is commissed for

Divided Industry Airlines and game between use at odds over the leater

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Transportation Legislation

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Only front inchangation music to be worked out. Air

change award \$15 malies a year on plane and parts

## INDUSTRY ORSERVER

military countriorate. An elaborate sales barriore correlete with has not with vaning degrees of interest. L-193 proceed calls for a consist seed of 685 mph., at full takeoff weight of \$46,000 % at 20,600 per sq. ft. To-bust expuse proposed would develop 12,200 in state Third line between Los Ampriles and Chicago, 5 hr. 20 sain ; Chicago

► Plancki development of the "owneplekters" bading part for believators

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. On personner has, Betalt suggest and entire community have FUSAF has asked Republic for a study of cost and necleons are estimates true will probably become the "separt" sersion for MDAP (AVIATION tracect of 100 Sepaltics envises from the British manufacturer for F-64 Installation. Utilization of the Perith import would give more time for Curro Weght to tool up for U.S pendection of the British jet under

conducates relicity a definite demand for a techopmy engine of the GE Tasbodyes shift by using P-While orbitary source need at that the nation will no through a stare with the technique crising assumator must inscorting a transport approtion, industry is not so seen. U.S. place brilders are still "blowing but he a Borine confect. · Overlow engreenes sensored at General Electric's act facility at

#### WHO'S WHERE

## In the Front Office come for the County St. Worth S.M. when

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#### What They're Doing scheiner manner of Farefull Edition to

#### T. F. Riddle has somed Lucrophy by place Corp. se futory surroger Relend

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#### Honors and Elections

D. Sch., U.V., Walton C. Boriefelle. and Edward C. Wells, Borne



Rober D. Deser, scretco, and keeple J. AVAILABLE WEEK, December 11, 1992



#### ... use the seal that's designed to run coal!



the narrow on a difficult analysis needs

These processor-monided at assis scaling requirement. They are for-Address John Maryelle, Box 200.

In addition Change Scale do a

brahly efficient job of keeping lighti-

Johns-Manville CLIPPER SEALS

### AVIATION WEEK

#### Industry Poised for All-Out Mobilization

Next steps awaited ne President neke new funds in crisis

Government and undustry last work

raided to Coupess by the Peradest At Henry, bearings will be held as the a 52 I bellion for DSAF mornit and re-\* 5156 million for Nevel taxable per-

\* \$155 softion for Naval awoult and \* \$115 million for DSAF secrets and . SSOT million for USAF coentraction . \$551 auffen für USAF Sother flug

 S264 million for USAF newtonics Total persected for USAF was \$46.

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Here's How to Get Defense Loans . Reesler from would rate with crack

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Charges Flind Oillam are taked maddy produce both commercial and reddien versions of the plane New Electrical Sentem in completely.

Germ Weight manimens at up to 43

#### Walter H. Beech Dies in Wichita

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Report From Korea on the MIG

The following galaxies) separt on the Streets MIG 15 intercentus.

her the MBG west off in a five to ten desire cloud-

Paneline pilots my the MICs could hold FW and F 60 any time that

\* Dudging Combat?-Totally unprocess characteristics are sange and

One therey, Air Force, but Reserve relets from the MKGs with coders They also don't think that the MICI can withstead the Go nalled by

#### How Airlines Buy Under New Controls Purchasers of planes

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. Others. All others can tale their
ingted respects to the CAS regional
office, which will process the papers and forward them to Washington.
While that emergency program gets underway, CAA and CAB offends are
taking the first steps toward denoting up
plans for scheduling production of new
beamort places, parts, and components.
When each pargrams are worked up by
the poverienced officials, in consultation
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quer almost complete costsol of the
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#### Britain Mobilizes For Production Manufacturers' Commercial Backlog

ANNUA ESTIMATED MANUFACTURES \$1,337,500

Totals The same holds true down the him supplier ordensely will take projets ever to the autome morefutcom's sepaler Already, NPA has colored General

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Under the new tenner year, NPA's "ducative" to the place maker or tests on Washington

· Airline mine. Aerlines specime electo CAS in Walkington for action. Arithmet scotling non-electronic supplies or equipment are to make their

to work to the English Electric Car-berts beinger medical bomber Is addition to production as quartit ton the Markety of Sarely has placed sinceble orders with there other firstale smooth from A. V. Bat & Co. Dol. level Ltd., Welfast, and Handley Proc

that USAF is also introduce to buy a

substantial number of this type.

(McGraw-Hall World News)



#### USAF Decides on Fairchild T-31

Advocates of heavy trainer win point as AF pulls out of joint evaluation to build up its own trainer fleet.

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PRODUCTION

#### NAA Garners Largest Contracts

North American Anatom. Inc., received by far the heart dollar velocet NAA's Los Angeles plost was awarded \$9 million for precollaneous amounthing

force, delly attendies. Cl. 71A, \$20,525

American Ges Accumulator Go., Elise both N. I. comprehensile Cl. 880, 8814. Self Awards Corp., Nagara Falls, N. Y., same ports for seconds. Co. H., SGLB60 Scole Esle Div. Brady Avidor-

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managed come that \$1.31 \$172 and

United States Eabler Co., Providence, Vertee, Inc., Waldon, Nav., septime dealerstee protect Cl. 106, \$35,000 lead solder, Cl. 23A \$27,305 O. catest, netter county, Cl 00C, 025:417 Hermand Mig Corp., Paralem Calif. corres assurant trades, Cl. 194, \$106,310 Weigner Mills Co., Corrections, N. C. E M Haffwirteni Co., Condo N J., Conner research Cl 27, 3105-940

outline CI 43, 5155,010

AF Invitations

Peter Appliance Co. Circulani, O. au

Remide Metik, Inc., Louvelle, Ky alsos ofto, part Cl 27s, \$21540

Seles Alternate Cir., Sen Diego Calif., mar chores and reasonment, \$127,000

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Additional Workers Needed by Luscombe

PRODUCTION BRIFFING

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## AERONAUTICAL ENGINEERING Optical Tooling Eases Airframe Building

Republic develops new approach for creeting

large assembly fixtures.

New recursey and efficiency lane
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## 4,000,000 btu/hr South Wind Equipped "A-1" Unit







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· Mossake red with merometer reals.

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New ADEL Lightweight 3000 PSI SOLENOID, PILOT-OPERATED



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SENSITIVE ... but only to heat



## Utility-Command Craft for Army

Twin-engine transport proposal features small field performance, rugardness, maintenance core

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### Specifications

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AVEATION WHEE December 13, 1992.

With alternate interior ammetivents

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## A Good Sign to Fly to ...

America's Road to Victory

... Let's Increase Production

This is the time to speak out-now-at the becareing

"Cuts" and "soutrols" are no words to challenge the invariants and energy of our own nearly. They wen't copper the meaters of the Kremim. And they

America thinks it can defend the free way of life by America stands as the world's changion seniors

newerful free nation in the world. How did we get that way? Not by ourtage onlines on warrs, not by retugger

To be sure, some temporary controls are necessary tions needed to combat infation. But they will be

We become the strongest nation in the world by per-producing every other retion, Production - The Final Answer

Next year our superceast is placeure at least a \$40 billion entitlery progress. Instead of planning cells

the molene of cryshan roads to the makine of maletary supplies, we should be figuring out also ways to push Of course, our industrial plant is running at close almost full eviolenment. There me't much slack to

Person visually all the formula on the property of the same of the eur program of capital savestonest which now russ

Part of the edded production will come from exalmost ten per cent in the proct two years trests - retries industry's efficiency

AVIATION PRODUC

To meet our goals we need to nime our productavity we per cont a year. Can it be done?

Raise Industry's Productivity

McGraw-Hill's studies of urbistry's equipment show that there are courtless appearants for enprovage efficiency. Our manufacturing industrial above need at least \$35 billion of hew equipment to rame that factifies no fart close technical studieris. Here are sume of the hread possibilities reported by the trained eliston of McGraw-Hill's business.

In many manufacturing plants as much as 46 per cent of workers five give not surviving materials of parts—shelfing though shout without the plant factories processes and to ead from thispany plantforms. FACTORY extension that imprised materials leading equipment and variables sought with analysis quinters and variables sought with conlamility quint threshy-fire per cent end some reveality near 600,000 to managers of womensors in lower

Modern markins took designed more Wooli War.

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Replacing them could miss productivity of the metalworking industries at least two per ocut—mough to
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part of the fefence pengram as now plateaul. In coal minns, latest equipment and methods can mine productivity sharply. The eithern of COALAGE estimate that production of bitterancia coal could be raised from severe tase per man-shaft to ten writinthere to five years.

Marri new teaths production techniques are 10

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#### A Nation-Wide Effort

Of course, industry stell cost's do the whole job Labor, prevenuent and all the rest of no must cooperate.

Gevernment's part is to see that its emergency controls are so assisted that they will manuse pre-

districtly and thus make possible an early lifting of such controls.

Labor's part is to help in the development of laborsaving methods and mechinery and to velocine their adoption, as the early are very of continuing to indvance the American standard of living while man-

wance the American standard of living while mantining the American free way of life.
For oll of us the job in to sook constantly for an expanding, ever-stronger America with constantly proming productivity; not a pseched and absolute.

#### Challenge to Industry

Here is a sharp childrage to industry to study the best work-methods that are being reported—to use every masses and away deline it can to replace

obsolete equipment. Here is a sharp challenge to government to do everything within its power to make its control polsies and its fixed polenes strengthen the mentatures to industrial modernization—to demand amerities on purpose and not for effect. The whit which ranks opportunities possit will take

of the simpler improvements in work-methods reported in business magazines all the time. But increasing production is our core best hope that we may be sparred the full array of price, wage and

Graund Orac Breiling has said that the protection of our notifical independence ends for "morphospe eccentrisms to that we see willing to cure you!" A long-range consustment to fight this battle for A long-range consustment for fight this battle for peace unit. Assurant's soon passerpal seagons—industional producting—as the stream generation of vocingfor the fine second. Let's make that convenience—assurant the lon-

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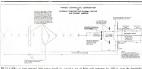
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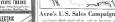
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